





IN THE UNITED STATES PATENT AND TRAL EMARK OFFICE

In re Application of: Van Dyke, et al.

Serial No.: 09/899,372

Filed: July 2, 2001

For: SOLUBLE KERATIN PEPTIDE

Group Art U/nit: 1615

Examiner: LSIS A D GHALI

TECENER. Atty. Dkt. No.: KER020/4-005CON

Confirmatio a No. 3035

CERTIFICATE OF EXPRESS MAILING

EV238369161US DATE: July 21, 2003 This paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service on the date indicated above and is addressed to Mail Stop RCE, Commissioner for Patents, P. O. Box 1/450, Alexandria, VA 22313-1450.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP RCE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed after three months of the filing of the present application and after the receipt of a first Official Action on the merits but before receipt of a Final Office Action UNDER 37 C.F.R. §1.113, or a Notice of Allowance under 37 C.F.R. §1.311. The Commissioner is hereby authorized to charge the fee as set forth in 37 C.F.R. § 1.17(p) (\$180.00) for submission of an Information Disclosure Statement, as indicated on the enclosed Credit Card Payment Form. If the referenced authorization is inadvertently omitted or deficient, or should an overpayment be included herein, the Commissioner is authorized to appropriately deduct or credit the requisite amount from Vinson & Elkins L.L.P. Deposit Account No. 22-0365/KER020/4-005CON/58002.

REMARKS

Applicant would like to inform the Examiner of a pending state court litigation between real parties of interest in the present application, and that involves breach of contract and theft of trade secret issues. The case is CAUSE NO. 2002-CI-09879 in the District Court of Bexar County, Texas, 285th Judicial District, *Keraplast Technologies, Ltd. v. Southwest Research Institute and Mark E. Van Dyke*.

Respectfully submitted,

Timothy S. Corder

Reg. No. 38,414

Agent for Applicant

Vinson & Elkins L.L.P. 2300 First City Tower 1001 Fannin Houston, Texas 77002-6760 512-542-8446

Date: J

July 21, 2003

		_			Docket Number (Optional)	1	lication Number	00.253	
INEQE	MAT	DISCLOSUR	CITATYON	Į	KER020/4-005CC	DN]	09/8	99,372	
/3	` (Us	e several sheets if necessa	2 1 2013)	Mark E. Van I		al.		
	(12)	3003		<u> </u>	July 2, 2001	Gro	1615		
C TAR	<u></u>	A. E.I.T	d TRADEMARY	U.S	S. PATENT DOCUMENTS				
XAMMER INDIAL	REF	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	!	G DATE OPRIATE
	A130	922,692	05//25/09	com	moplastic keratin position				
	A131	926,999	07/06/09	subs	ess of producing digestible tances from keratin			•	22
	A132	960,914	06/07/10	diab	for the treatment of etes mellitus		(G)	JUL .	.CJ
	A133	3,642,498	02/15/72		nod of preparing keratin- aining films and coatings	99	166		CEINER VEINER
	A134	4,423,032	12/27/83		treatments	424	70	P	CO3
	A135	4,495,173		treat	shampoo type hair ment composition	424	70		2
	A136	4,570,629	02/18/86	copo biod	rophilic biopolymeric olyelectrolytes, and egradable wound dressing prising same	128	156	~~~	
	A137	4,751,074	06/14/88	Hair	rinse composition	424	70		
	A138	4,895,722	01/23/90		treatments	424	71		
	A139	5,047,249		Compositions and methods for treating skin conditions and promoting wound healing 543					
				FOR	EIGN PATENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Tran	slation
								YES	NO
		othman, et al., "Wou CT Int. Appl., 46 pp.		romo	ting compositions containing	g film-form	ning proteins,"		
	B2 K			erials	from treated animal fibers,"	Eur. Pat. A	Appl., 6 pp.,		
	H4 4 1	Vallace, et al., "Fragr reparation," PCT Int			hydrogels for adhesion prevented by the stract	ention and	their		
	B4 I	chikawa, et al., "Man 4091138, Abstract	ufacture of k	eratir	n films," <i>Jpn. Kokai Tokkyo</i>	Koho, 3 pp	., Patent No. JP		
			· · · ·		OTHER DOCUMENT	'S (Including A	uthor, Title, Date, Pert	inent Pages, Et	c.)
	C8 Thomas et al., "Isolation of microfibrillar proteins of wool in disulfide form," Melliand Textiberichte, 65(3):20809, 1984								
	van de Löcht, "Reconstitution of microfibrils from wool and filaments from epidermis proteins," Melliand Textiberichte, 10:780-6, 1987								
EXAMINER					DATE CONSIDERED				
					is in conformance with MPEP Sec axt communication to applicant.	ction 609; Dr	aw line through cits	ation if not in	l

_				Docket Number (Optional)	Application Number					
_				KER020/4-012CON	09/80 2501 3					
INC	ORMA	SON DISCLOSURE CUEAN se several sheets if necessary)	TION	Applicant(s) Mark E. Van Dyke,	et al.					
	1 000	* • \ /	(1)	Filing Date	Group Art Unic					
ار ا	K N I	JUL 2 1 2003	-	March 8, 2001	373800					
*EXAMIN)	Sec. 18	PAER DOCUME	NTS (Including Author, Title, Date, Perti	nent Pages, Etc.)					
MILTER 1/4	& TRADE	The RADINATE								
	C10	Yoshioka et al., "Cosmetic b	oase," unexami	ned Japanese Patent Application No	3-223207, October 2, 1994					
	C11	Yoshioka et al., "Water-soluble hair dressing agent," unexamined Japanese Patent Application No. 8-157342, June 18, 1996								
	C12			olymer, production thereof, cosmeti icles," unexamined Japanese Patent						
	C13	Ito et al., "Biocompatibility of	of denatured w	ool keratin," 39:4, 249-256, April 1	982					
	C14	Yamauchi, "The development	nt of keratin: c	haracteristics of polymer films," Fro	agrance J, 21(5), 62-7, 1993					
	C15	•	•	ilaments in vitro: further evidence foology, 99, 1590-1597, November 19	or the role of nonhelical peptides in					
	C16	Weber et al., "The structural sheep wool," The EMBO Jou		een intermediate filament proteins in 55-1160, 1982	living cells and the α-keratins of					
	C17	,	-	a human epidermal keratin: diverge eins," <i>Cell</i> , 31, 243-252, November	nce of sequence but conservation of 1982					
	C18	Fraser et al., "Intermediate fi	ilaments in α-k	eratins," Proc. Natl. Acad. Sci. USA	1, 83, 1179-1183, March 1986					
	C19	Jones, "Studies on microfibr 1976	rils from α-kera	ntin," Biochimica et Biophysica Acta	a, 446, 515-524, Received April 5th,					
- 01	C20	Zackroff, et al., "In vitro assembly of intermediate filaments from baby hamster kidney (BHK-21) cells," Proc. Natl. Acad. Sci. USA, 76:12, 6226-6230, December 1979								
	C21	Mack, et al., "Solid-state NN Biochemistry, 27, 5418-5426		he dynamics and structure of mouse	keratin intermediate filaments,"					
EXAMINER	L	1		DATE CONSIDERED						
		tation considered, whether or not c py of this form with next communic			e through citation if not in conformance and					

							Docket Number (C	(ptional)	Application Numb	per
				ATF	E		KER02	20/4-012CON	(09/802,14\$
INFORM	AATI (Ųse	ON DIS	r – <i>r</i>	URE C ecessary)	ITATION	N	Applicant(s) Mai	rk E. Van Dyk		
0.46	LOW			JNF 5	2003		Filing Date	rch 8, 2001	Group Art Unit	C/ (/ \)
Chill.	ن کر	- 1)					<u> </u>			
*EXAMINED	TR ADE	ree!		AT & TRA	OFFICER	DOCUME	NTS (Including A	uthor, Title, Date, Pe	rtinent Pages, Etc.)	1000
C2	22 5	,		-				able and forms inte 125-131, 1987	ermediate filame	nts under physical
C2	/ 4	Kvedar, et al., "Cytokeratins of the bovine hoof: classification and studies on expression," <i>Biochimica et Biophysica Acta</i> , 884, 462-473, 1986								
C2					og of huma November		atins: patterns	of expression in no	ormal epithelia, t	umors and cultured
. C2							turally occurri August 1986	ng antikeratin antib	oodies in human	sera," The Journal of
C2										um and in pleural fluids ., 20, 171-176, 1986
C2	,, ,	Stokes, et 21-328,	-	Passage	of water a	nd electro	lytes through r	natural and artificia	l keratin membr	anes," Desalination, 42,
C2		Dedeurwa anuary 2			Selective	extraction	of a protein fr	action from wool k	ceratin," Nature,	265, 48-49 and 274-276,
C2	<i>,</i> ()	•	-			-	ch proteins from, 32, 350-35		y ion-exchange	chromatography and
C3	30 N	Mies, et a	1., "C! " <i>Jou</i>	hromato	graphic an	nd electrop raphy, 40	phoretic investi 5, 365-370, 19	gations of the prop 87	erties of unprote	ected low-sulphur wool
C					dimension 81, 495-50		phoretic analys	sis of human hair k	eratins, especiall	ly hair matrix proteins,"
C	4)	Horn, et a	 ıl., "R	elative r	nolecular r	masses of	reduced wool	keratin polypeptide	es," Biochem Soc	c Trans, 14, 333-334,
C	33 I	Нагтар, е	t al., "	Species	difference	es in the pr	oteins of feath	ers," Comp. Bioch	em. Physiol., 20,	449-460, 1967
EXAMINER	,l.					<u>.</u>	DATE CONS	SIDERED		
*EXAMINER: Initia not considered. Inclu	l if cita de copy	tion consid	lered, v	vhether o	r not citation nmunication	n is in confo to applican	rmance with MP	EP Section 609; Draw	line through citatio	on if not in conformance and

					Docket Number (Optional)	Application Number				
			15		KER020/4-012CON	09/802,113				
INE	ORMAN	ION DISCL	OSURE CIT	ARION	Applicant(s) Mark E. Van Dyk	e, et al.				
		am ?	(JUL 2 1	2003	Filing Date	Group Art Ch				
(88)	A 7 2	2000	12.	7.7	March 8, 2001	3990				
*EXAMINE INITIAL		. Cat.	FAT & TRAD	OTHER DOCUME	NTS (Including Author, Title, Date, Per	rtinent Pages, Etc.)				
	RADI	MAN .	RAD			- 4 6 C				
	C34	Harrap, et al	., "Soluble der	rivatives of feathe	er keratin," <i>Biochem. J.</i> , 92, 8-18,	1964				
	C35	Yoshimizu, et al., "13C CP/MAS NMR study of the conformation of stretched or heated low-sulfur keratin protein films," <i>Macromolecules</i> , 24, 862-866, 1991								
	C36		l., "Membran 783-794, 1980		keratin-polyacrylonitrile graft co	polymers," Journal of Applied Polymer				
	C37				ody to keratin in human epiderma e Journal of Investigative Dermai					
	C38			al and immunolog. Cell Biology, 78		10-nm filaments from baby hamster				
	C39					thrombogenic biomaterial—vascular les. Okayama Univ., 39:4, 221-227, 1982				
	C40		siocochemica			n of biomaterials and study of their ed to the National Institute of Applied				
	C41	Dale, "Kerat	in and other co	oatings for pills,"	Pharm. J., 129, 494-495, 1932, A	Abstract				
	C42				n selectively modified feather ker olymer Chemistry), 39(2), 160, 19	ratin dispersions," <i>Polymer Preprints</i> 198, Abstract				
	C43		t al., "Polyme ust 23-27, 199		ken feather keratin," Book of Ab	stracts, 216th ACS National Meeting,				
	C44	Kikkawa, et al., "Solubilization of keratin. 6. Solubilization of feather keratin by oxidation with performic acid," Hikaku Kagaku, 20(3), 151-162, 1974, Abstract								
	C45					Part 1. Fractionation and amino acid Hikaku Kagaku, 27(1), 21-29, 1981,				
EXAMINER					DATE CONSIDERED					
				t citation is in confo		line through citation if not in conformance and				

, ,					-	Docket Number (Optional)	Application Number			
		- a		TP	E	KER020/4-012CON				
INFOR	MAT		CLOSURA ets if necessa		ON C	Applicant(s) Mark E. Van Dyke) (C.			
/	``ک	1083 - 1	, //	JUL 2 1	(الح مالك	Filing Date	Group Art Unit			
1 . 40	636	8		705	E/	March 8, 2001	3738			
*EXAMINER		154	•	WAY OIL	CUME	NTS (Including Author, Title, Date, Per	rtinent Pages, Etc.)			
INITIA	THAD	Ĭ	<u></u>				- Co			
	C46	Noishiki, graft coate	et al., "Ap	plication c eparinized	of denatured I keratin deri	wool keratin derivatives to an antivative," Kobunshi Ronbunshu, 39	thrombogenic biomaterial. Vascular (4), 221-227, 1982, Abstract			
	C47	Ito, et al.,	"Biocomp	atibility of	f denatured k	teratins from wool," Kobunshi Ro	nbunshu, 39(4), 249-256, 1982, Abstract			
	C48	Gillespie, 538-539,	-	nino acid o	composition	of a sulphur-rich protein from wo	ol," Biochimica et Biophysica Acta, 39,			
	C49				quences of α. J., 173, 373		nethylkerateine-A. Complete sequence			
	C50		Elleman, et al., "Amino acid sequences of α-helical segments from S-carboxymethylkerateine-A. Statistical analysis," Biochem. J., 173, 387-391, 1978							
,	C51	Hogg, et al., "Amino acid sequences of α-helical segments from S-carboxymethylkerateine-A. Tryptic and chymotryptic peptides from a type-II segment," Biochem. J., 173, 353-363, 1978								
	C52					keratin. II. The amino acid conter 405-411, 1956	nt of fractions isolated from oxidized			
	C53	Crewther, of a type-	, et al., "Aı II segment	nino acid ," <i>Biocher</i>	sequences of <i>n. J.</i> , 173, 36	α-helical segments from S-carbon 5-371, 1978	xymethylkerateine-A. Complete sequence			
	C54		al., "Micro 484-485, 1		eservations o	f the alkaline-thioglycollate extrac	tion of wool," Biochimica et Biophysica			
	C55	Gillespie, Biophysic	et al., "Proca Acta, 12	eparation (, 481-483,	of an electron	phoretically homogeneous keratin	derivative from wool," Biochimica et			
	C56		, et al., "Th Physiol., :			e high-tyrosine proteins of keratin	s on cellulose acetate strips," Comp.			
	C57	Frenkel, 6 34, 112-1		isolation	and properti	es of a tyrosine-rich protein from	wool: component 0.62," Eur. J. Biochem.			
EXAMINER		-1				DATE CONSIDERED				
*EXAMINER: Initiation in the second in the s	tial if ci	tation consid	ered, whether	er or not cita communica	ation is in conf ation to applica	ormance with MPEP Section 609; Drawnt.	line through citation if not in conformance and			

	•									
		. (1)			Docket Number (Optional)	Application Number				
TNVC	arth R T	TON DISCLO	SEA PLANT	ETION	KER020/4-012CON Applicant(s)	09/802,113				
77.77		e several sheets i	(hecessary)	ALL	Mark E. Van Dyke,	et al.				
k.)	j 3 1 20	$m \frac{\pi}{2}$	Mr 5 /	TOUS (Filing Date March 8, 2001	Group Art Unit				
*EXAMINATION	d 70	Ser C.	TA TRA	OTHER DOCUME	NTS (Including Author, Title, Date, Perti	et al. Group Art Unit 3738 nent Pages, Etc.)				
	TRADEN					Vin				
	C58	Marshall, et a 351-356, 197	ll., "Success: 9 	ful isoelectric focu	ising of wool low-sulphur proteins,	" Journal of Chromatograph 1372,				
	C59		Marshall, "Characterization of the proteins of human hair and nail by electrophoresis," The Journal of Investigative Dermatology, 80:6, 519-524, 1983							
	C60	Lindley, et al	., "Occurren	ce of the cys-cys	sequence in keratins," J. Mol. Biol.,	30, 63-67, 1967				
	C61	Marshall, "Ge 269, 1980	enetic variat	ion in the proteins	of human nail," The Journal of Inv	vestigative Dermatology, 75:3, 264-				
	C62	Goddard, et a	Goddard, et al., "A study on keratin," J. Bio. Chem., 106, 605-614, 1934							
	C63			of components fi , 4(3), 203-226, 1	om the low-sulphur proteins of wo 974	ol by fractional precipitation,"				
	C64		•	ion of S-carboxym Acta, 194, 606-60	ethylcysteine and methionine with 09, 1969	sodium in liquid ammonia,"				
	C65	Gillespie, "Tl Biophysica A			dily extractable protein of low sulp	hur content," Biochimica et				
	C66	Lindley, et al	., "The react	tivity of the disulp	hide bonds of wool," Biochem. J.,	139, 515-523, 1974				
	C67	Mitsui, et al., human hair fo	"Genes for ollicles," Bri	a range of growth	factors and cyclin-dependent kinasermatology, 137(5), 693-698, 1997,	e inhibitors are expressed by isolated Abstract				
	C68	Schörnig, et a target tissue o	al., "Synthes of sensory tr	sis of nerve growth igeminal neurons,	factor mRNA in cultures of develor The Journal of Cell Biology, 120:					
	C69	Filshie, et al.	, "The fine s	tructure of α-kera	in," J. Mol. Biol., 3, 784-786, 1961	RECEIVED				
EXAMINER	<u> </u>	<u></u>			DATE CONSIDERED	JUL 2 5 Zum				
EARIHITER						TECH CENTER 1600/2900				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

					Do	cket Number (Optional)		Application Number	_	
				Ē		KER020/4-012C	ON	09/80	2,113	
IME	ORMEAT	166/bise	CLOSURE	EITATION	Αŗ	Mark E. Van Dyke, et al.				
	. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	seperal she	rees if necessary	ma P	Fil	ing Date	руке,	Group Art Unit	4 1	
1	15/10	1	(111 2)	TOTAL STATE		March 8, 200		3738	25 12 R	
*EXAM NEA	4 TRABEN	S. J.	ALEMT & TB	ADEL POER DOCUM	1ENT	S (Including Author, Title, D	ate, Pertin	nent Pages, Etc.)	CA Co	
	C70	Filshie, et 13, 1-12,	al., "An ele		tudy (of the fine structure of fe	eather ker	ratin," <i>The Journal</i>	of Cell Wology,	
	C71					keratins. Interrelationshi parent keratin," Biopoly			compositions, α-	
	C72					gh-sulphur proteins of w search I, 199-212, 1969	ool. I. Th	ne preparation and p	properties of a	
	C73	Crewther, S-carboxy	, et al., "The methylkerat	preparation and proteine from wool," To	opert he Jo	ies of a helix-rich fractio	n obtaine	ed by partial proteo 42:19, 4310-4319,	lysis of low sulfur 1967	
	C74			re of α-keratin: struc ol., 113, 449-454, 1		implication of the amin	o acid se	quences of the type	I and type II chain	
	C75	Suzuki, e 278, 1973		diffraction and infra	red s	tudies of an α-helical fra	ngment fr	rom α-keratin," J. M	fol. Biol., 73, 275-	
	C76			e conformation of the 213-219, 1969	he hi	gh-sulphur proteins of w	ool. II. D	Difference spectra of	f kerateine-B," Int.	
	C77		et al., " <i>In viti</i> 412, 1973	ro studies on the sy	nthes	is of guinea pig hair ker	atin prote	eins," Biochimica et	t Biophysica Acta,	
	C78		Some observ 33-42, 1958		ins o	f the inner root sheath ce	ells of hai	ir follicles," <i>Biochir</i>	nica et Biophysica	
	C79	Tachibana, et al., "Fabrication of wool keratin sponge scaffolds for long-term cell cultivation," Journal of Biotechnology, 93, 165-170, 2002								
	C80	Gillespie,	, "Proteins ri	ch in glycine and ty	rosir/	ne from keratins," Comp.	. Biochen	n. Physiol., 41B, 72	3-734, 1972	
	C81	Fraser, et	al., "Tyrosii	ne-rich proteins in k	cerati	ns," Comp. Biochem. Ph	nysiol., 44	4B, 943-947, 1973		
EXAMINER		.1				DATE CONSIDERED				
						1				

				Docket Number (Optional)	Application Number						
IPE				KER020/4-012CON	09/802,113						
INF	ORMAT	TONDISCLOSURE COATION se several shies if necessary)	C.	Applicant(s) Mark E. Van Dyke, et al.							
1	/ (Us	se several shees if necessary)	ارز ۵	Filing Date	Group Art Unix						
(弘其	se several shiels if necessary)		March 8, 2001	3738 CA						
*EXAMINER INITIAL		DTHER DOTHER DE	СЕОМЕ	NTS (Including Author, Title, Date, Perti	et al. Group Art Unix 3738 ment Pages, Etc.)						
	5			· · · C · · · · · · · · · · · · · · · ·	\mathcal{C}_{v}						
	C94		Gillespie, et al., "A comparison of the proteins of normal and trichothiodystrophic human hair," The Journal of Investigative Dermatology, 80, 195-202, 1983								
	C95	Gillespie, et al., "Changes in the pro Journal of Investigative Dermatolog			with epidermal growth factor," The						
	C95	Gillespie, et al., "Changes in the ma compounds," Aust. J. Biol. Sci., 33,			ving the administration of depilatory						
	C97	Darskus, et al., "Breed and species of 515-524, 1971	differen	ces in the hair proteins of four gene	ra of caprini," Aust. J. Biol. Sci., 24,						
	C98	Kemp, et al., "Differentiation of avia adult and embryonic feathers and sc	an kera ales," B	tinocytes. Characterization and relation chemistry, 11:6, 969-975, 1972	tionships of the keratin proteins of						
	C99	Gillespie, et al., "The diversity of ke	eratins,'	Comp. Biochem. Physiol., 47B, 33	9-346, 1974						
	C100	Fraser, et al., "Wool structure and be	iosynth	esis," Nature, 261, 650-654, 1976							
	C101	Stenn, et al., editors, "The molecula Volume 642, Title Page – 31, 1991	ır and st	ructural biology of hair," Annals of	the New York Academy of Sciences,						
<u>, , , , , , , , , , , , , , , , , , , </u>	C102	Reis, et al., "The utilization of abort wool growth," Aust. J. Biol., Sci., 25			ids by sheep with special reference to						
	C103	Broad, et al., "The influence of sulp Aust. J. Biol. Sci., 23, 149-164, 1970	hur-cor	ntaining amino acids on the biosynth	nesis of high-sulphur wool proteins,"						
	C104	Reis, "The influence of dietary protein and methionine on the sulphur content and growth rate of wool in milk-fed lambs," Aust. J. Biol. Sci., 23, 193-200, 1970									
	C105 Downes, et al., "Metabolic fate of parenterally administered sulphur-containing amino acids in sheep and effects on growth and composition of wool," Aust. J. Biol. Sci., 23, 1077-1088, 1970										
EXAMINER	J		·	DATE CONSIDERED							
L/MINITER											

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			Docket Number (Optional)	Application Number							
/	PF	OIPE	KER020/4-012CON	09/802,113							
IXEO	RMAT <i>U</i> r	ION DISCLOSURE CITATION CONTROL STATES	Applicant(s) Mark E. Van Dyke,	et al.							
(£ 1/2	e steerly theets if necessary)	Filing Date	Group Art Unit							
1/41	4 F-		March 8, 2001								
*EXAMINE INITIAL	T& TRAD	OTHER DOCUMEN	NTS (Including Author, Title, Date, Pertin	nent Pages, Etc.)							
	C106	Reis, "The growth and composition of wool to the level of sulphur-containing amino aci	l. IV. The differential response of gr ds given per abomasum," Aust. J. B	rowth and of sulphur content of wool iol. Sci., 20, 809-825, 1967							
	C107	Reis, et al., "Effects of phenylalanine and analogues of methionine and phenylalanine on the composition of wool and mouse hair," Aust. J. Biol. Sci., 38:2, 151-163									
	C108	Frenkel, et al., "Studies on the inhibition of 331-338, 1975	synthesis of the tyrosine-rich prote	ins of wool," Aust. J. Biol. Sci., 28,							
	C109	Frenkel, et al., "Factors influencing the bios 38, 1974	synthesis of the tyrosine-rich protein	ns of wool," Aust. J. Biol. Sci., 27, 31-							
	C110	Reis, "The growth and composition of wool 671-687, 1965	l. III. Variations in the sulphur conte	ent of wool," Aust. J. Biol. Sci., 18,							
	C111	Reis, et al., "The influence of abomasal and growth rate," Aust. J. Biol. Sci., 26, 249-258		r-containing amino acids on wool							
	C112	Gillespie, et al., "A further study on the diet 112, 41-49, 1969	tary-regulated biosynthesis of high-	sulphur wool proteins," Biochem. J.,							
	C113	Gillespie, et al., "The dietary-regulated bios	synthesis of high-sulphur wool prote	eins," Biochem. J., 98, 669-677, 1966							
	C114	Powell, et al., "Characterization of a gene erabbit hair follicle differentiation," Differentiation,"	ncoding a cysteine-rich keratin association, 58, 227-232, 1995	ociated protein synthesized late in							
	C115	Powell, et al., "Cyclic hair-loss and regrowt EMBO Journal, 9:5, 1485-1493, 1990	th in transgenic mice overexpressing	g an intermediate filament gene," The							
	C116	Raphael, et al., "Protein and amino acid composition of hair from mice carrying the naked (N) gene," Genet. Res. Camb., 44:1, 29-38, 1984									
	C117	Frenkel, et al., "The keratin BIIIB gene fampseudogene," Genomics, 4, 182-191, 1989	nily: isolation of cDNA clones and s	structure of a gene and a related							
EXAMINER		1	DATE CONSIDERED								
*EXAMINER: In not considered. In	itial if cita clude cop	ation considered, whether or not citation is in confor	mance with MPEP Section 609; Draw line t.	e through citation if not in conformance and							

	-			Docket Number (Optional)	Application Number
	-		TPF	KER020/4-012CON	09/802,113
INF	XXMAT (Us	IOS DECLOSURE (Applicant(s) Mark E. Van Dyke,	
(,	Cantos	2 1983 -	JUL 2 1 2003	Filing Date March 8, 2001	Group Art Unit
*EXAMINER	130	DEMANA CE	THER DOES ME	NTS (Including Author, Title, Date, Perti	et al. Group Art Unit 3738 nent Pages, Etc.)
	C118		orimary structure of co 236, 695-703, 1986	omponent 8c-1, a subunit protein o	0/3
	C119	Dowling, et al., "Second	ndary structure of cor	nponent 8c-1 of α-keratin," Bioche	m. J., 236, 705-712, 1986
•	C120	Kuczek, et al., "Sheep	wool (glycine + tyros	sine)-rich keratin genes," Eur. J. Bi	ochem., 166, 79-85, 1987
	<u> </u>				
·	1				
EXAMINER				DATE CONSIDERED	
*EXAMINER: in not considered.	Initial if cit	tation considered, whether o	or not citation is in conformmunication to applican	rmance with MPEP Section 609; Draw lir t.	e through citation if not in conformance and